

4. The drive axle assembly according to claim 2, wherein said bearing cage is a through shaft bearing cage.

5. The drive axle assembly according to claim 2, wherein said bearing cage is an input bearing cage.

6. The drive axle assembly according to claim 2, wherein said seal is interposed between cage and said driven shaft.

7. The drive axle assembly according to claim 6, wherein said bearing assembly includes a cup affixed to said cage and a cone affixed to said shaft with rolling elements arranged between said cup and said cone, said seal interposed between said cage and said cone.

8. The drive axle assembly according to claim 1, wherein said second lubricant includes a GL5 additive.

9. The drive axle assembly according to claim 1, further including coaxial axle shafts, wherein said gear assembly includes a differential connecting said axle shafts and said driven shaft to permit relative rotation between said axle shafts.

10. The drive axle assembly according to claim 1, further including a second seal interposed between said driven shaft and said housing adjacent said bearing assembly opposite said seal.

11. A drive axle bearing cage assembly comprising:
- a bearing cage;
 - a driven shaft supported by said bearing cage having a yoke at one end;
 - a bearing assembly supporting said driven shaft in said bearing cage between said yoke and said pinion;
 - a first seal interposed between said driven shaft and said bearing cage adjacent to said yoke;
 - a second seal interposed between said driven shaft and said bearing cage adjacent to said pinion.

12. The drive axle bearing cage assembly according to claim 11, wherein said seal is interposed between cage and said driven shaft.

13. The drive axle bearing cage assembly according to claim 12, wherein said bearing assembly includes a cup affixed to said cage and a cone affixed to said shaft with rolling elements arranged between said cup and said cone, said seal interposed between said cage and said cone.